

Copy No. 54

PHOTOGRAPHIC INTELLIGENCE BRIEF
CIA/PIC

SUBJECT : Possible Uranium Mills	NO : PIC/B-3/60
LOCATION : Dneprodzerzhinsk, USSR	DATE: 1 March 1960
WAC NO : 234	LAT : 48°30'N
	LONG: 34°41'E

25X1D

PHOTO DATA:



MAP DATA:

- ACIC. Target Complex Chart, Series 500, No 0234-9999-500, 2nd ed, Oct 1953. (C)
- ACIC. Target Complex Chart, Series 100, No 0234-9999-100A, 2nd ed, Aug 1952. (S)
- ACIC. Target Complex Mosaic, Series 25, No 0234-9999-25MA, 3rd ed, Aug 1952. (S)

REMARKS:

Four previously unreported possible uranium mills are located on the south bank of the Dnepr River at Dneprodzerzhinsk, just north of the Dneprodzerzhinsk Nitrogen Combine. This is the largest number of uranium mills reported at any single locality in the Soviet Union. The complex of four mills occupies a double-fenced, rail-served, roughly rectangular area 1,370 by 5,140 feet. Each mill consists of an ore storage building, a crushing building, a grinding building, and a long chemical precipitation building with steam escaping from many roof vents. Sixteen liquid reagent tanks occupy a prominent position beside one of the ore preparation buildings. No thickeners are visible by any of the mill buildings. Some mill tailings have been discharged into a corner of the fenced enclosure. Three of the mills also discharge tailings through large-diameter pipes to a valve house. Thence the fines are conveyed 3,150 feet by a large diameter pipe into a divided trapezoidal-shaped tailings pond averaging 3,380 by 6,120 feet near the Dnepr River.

A possible ore bedding yard and a construction products plant adjoin the uranium mill complex on the east. Steam and possibly various chemical

PIC/B-3/60

reagents are supplied by pipelines from the Nitrogen Combine which adjoins the uranium mills on the south.

A previously unreported rail-served, double-fenced ore dump is located south of Taramskoye at 48°25'N/34°46'E, along a rail spur which runs into the uranium mill complex. This rail spur joins the main-line railroad running eastward to Dnepropetrovsk from the uranium mining districts of Pyatikhatki-Zheltaya Reka.

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